APPLICATION NUMBER	FILING DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NO.

application # 09/781,236

EXAMINER
HAI V. NGUYEN

ART UNIT	PAPER NUMBER
2142	

DATE MAILED:

INTERVIEW SUMMARY

All participants (applicant, applicant's representative, PTO personnel):

(1) *HAI V. NGUYEN, USPTO Examiner* (3) *Wei-Chen Chen 37.CFR 10.9(b)*

(2) *WILLIAM VAUGHN, USPTO Examiner* (4) _____

Date of Interview *19 July 2004*

Type: ☐ Telephonic ☐ Televideo Conference ☒ Personal (copy is given to ☐ applicant ☒ applicant's representative).

Exhibit shown or demonstration conducted: ☒ Yes ☐ No If yes, brief description: _____

proposed Amendment

Agreement ☐ was reached. ☐ was not reached.   *N/A* ☒

Claim(s) discussed: *1*

Identification of prior art discussed: *patent # 6,362,730 B2*

Description of the general nature of what was agreed to if an agreement was reached, or any other comments:

Identifying claim language and sbu (ie. automatically downloading extension s/w and functional. of application software). This proposed particular amendment as well as above state of examples possibly overcome 102(e) rejection and further requires search and consideration.

(A fuller description, if necessary, and a copy of the amendments, if available, which the examiner agreed would render the claims allowable must be attached. Also, where no copy of the amendments which would render the claims allowable is available, a summary thereof must be attached.)

☐ It is not necessary for applicant to provide a separate record of the substance of the interview.

Unless the paragraph above has been checked to indicate to the contrary. A FORMAL WRITTEN REPLY TO THE LAST OFFICE ACTION IS NOT WAIVED AND MUST INCLUDE THE SUBSTANCE OF THE INTERVIEW. (See MPEP Section 713.04). If a reply to the last Office action has are ready been filed, APPLICANT IS GIVEN ONE MONTH FROM THIS INTERVIEW DATE TO FILE A STATEMENT OF THE SUBSTANCE OF THE INTERVIEW.

Examiner Note: You must sign this form unless it is an attachment to another form.

FORM PTOL-413 (REV. 2-98)

Manual of Patent Examining Procedure, Section 713.04 Substance of Interview must Be Made of Record

Except as otherwise provided, a complete written statement as to the substance of any face-to-face or telephone interview with regard to an application must be made of record in the application, whether or not an agreement with the examiner was reached at the interview.

§1.133 Interviews
* * * * *

(b) In every instance where reconsideration is requested in view of an interview with an examiner, a complete written statement of the reasons presented at the interview as warranting favorable action must be filed by the applicant. An interview does not remove the necessity for reply to Office action as specified in §§ 1.111 and 1.135. (35 U.S.C. 132)

§ 1.2. Business to be transacted in writing. All business with the Patent or Trademark Office should be transacted in writing. The personal attendance of applicants or their attorneys or agents at the Patent and Trademark Office is unnecessary. The action of the Patent and Trademark Office will be based exclusively on the written record in the Office. No attention will be paid to any alleged oral promise, stipulation, or understanding in relation to which there is disagreement or doubt.

The action of the Patent and Trademark Office cannot be based exclusively on the written record in the Office if that record is itself incomplete through the failure to record the substance of interviews.

It is the responsibility of the applicant or the attorney or agent to make the substance of an interview of record in the application file, unless the examiner indicates he or she will do so. It is the examiner's responsibility to see that such a record is made and to correct material inaccuracies which bear directly on the question of patentability.

Examiners must complete a two-sheet carbon interleaf Interview Summary Form for each interview held after January 1, 1978 where a matter of substance has been discussed during the interview by checking the appropriate boxes and filling in the blanks in neat handwritten form using a ball point pen. Discussions regarding only procedural matters, directed solely to restriction requirements for which interview recordation is otherwise provided for in Section 812.01 of the Manual of Patent Examining Procedure, pointing out typographical errors or unreadable script in Office actions or the like, or resulting in an examiner's amendment that fully sets forth the agreement are excluded from the interview recordation procedures below.

The Interview Summary Form shall be given an appropriate paper number, placed in the right hand portion of the file, and listed on the "Contents" list on the file wrapper. In a personal interview, the duplicate copy of the Form is removed and given to the applicant (or attorney or agent) at the conclusion of the interview. In the case of a telephonic interview, the copy is mailed to the applicant's correspondence address either with or prior to the next official communication.

The Form provides for recordation of the following information:

- Application Number of the application
- Name of applicant
- Name of examiner
- Date of interview
- Type of interview (personal or telephonic)
- Name of participant(s) (applicant, attorney or agent, etc.)
- An indication whether or not an exhibit was shown or a demonstration conducted
- An identification of the claims discussed
- An identification of the specific prior art discussed
- An indication whether an agreement was reached and if so, a description of the general nature of the agreement (may be by attachment of a copy of amendments or claims agreed as being allowable). (Agreements as to allowability are tentative and do not restrict further action by the examiner to the contrary.)
- The signature of the examiner who conducted the interview
- Names of other Patent and Trademark Office personnel present.

The Form also contains a statement reminding the applicant of his responsibility to record the substance of the interview.

It is desireable that the examiner orally remind the applicant of his obligation to record the substance of the interview in each case unless both applicant and examiner agree that the examiner will record same. Where the examiner agrees to record the substance of the interview, or when it is adequately recorded on the Form or in an attachment to the Form, the examiner should check a box at the bottom of the Form informing the applicant that he need not supplement the Form by submitting a separate record of the substance of the interview.

It should be noted, however, that the Interview Summary Form will not normally be considered a complete and proper recordation of the interview unless it includes, or is supplemented by the applicant or the examiner to include, all of the applicable items required below concerning the substance of the interview:

A complete and proper recordation of the substance of any interview should include at least the following applicable items:

1) A brief description of the nature of any exhibit shown or any demonstration conducted,
2) an identification of the claims discussed,
3) an identification of specific prior art discussed,
4) an identification of the principal proposed amendments of a substantive nature discussed, unless these are already described on the Interview Summary Form completed by the examiner,
5) a brief identification of the general thrust of the principal arguments presented to the examiner. The identification of arguments need not be lengthy or elaborate. A verbatim or highly detailed description of the arguments is not required. The identification of the arguments is sufficient if the general nature or thrust of the principal arguments made to the examiner can be understood in the context of the application file. Of course, the applicant may desire to emphasize and fully describe those arguments which he feels were or might be persuasive to the examiner,
6) a general indication of any other pertinent matters discussed, and
7) if appropriate, the general results or outcome of the interview unless already described in the Interview Summary Form completed by the examiner.

Examiners are expected to carefully review the applicant's record of the substance of an interview. If the record is not complete or accurate, the examiner will give the applicant one month from the date of the notifying letter to complete the reply and thereby avoid abandonment of the application (37 CFR 1.135(c)).

Examiner to Check for Accuracy

Applicant's summary of what took place at the interview should be carefully checked to determine the accuracy of any argument or statement attributed to the examiner during the interview. If there is an inaccuracy and it bears directly on the question of patentability, it should be pointed out in the next Office letter. If the claims are allowable for other reasons of record, the examiner should send a letter setting forth his or her version of the statement attributed to him. If the record is complete and accurate, the examiner should place the indication "Interview record OK" on the paper recording the substance of the interview along with the date and the examiner's initials.

AMENDMENTS TO THE CLAIMS:

1.   (Previously presented) A common platform for use with a host computer capable of controlling more than one type of equipment sensors, said common platform comprising:

a host interface for communicating with said host computer;

a control interface for communicating with an equipment sensor;

a memory for storing bootloader software; and

a processor coupled to said memory, said host interface and said control interface;

said processor executing said bootloader software for performing the steps of:

downloading extension software into said memory;

executing the extension software;

under the control of the extension software, determining the type of said equipment sensor;

responsive to a result of the determining step, downloading application software corresponding to the type of equipment sensor into said memory; and

executing said application software.

2.   (Original) The common platform of Claim 1, wherein said application software produces steps to configure said common platform to perform a predetermined function.

3.   (Original) The common platform of Claim 1, wherein said equipment sensor is removably attached to said common platform.

4.   (Original) The common platform of Claim 1, wherein said host interface complies with a standard selected from a set of standards comprising Universal Serial Bus standard and RS232 standard.

5.   (Original) The common platform of Claim 1, further comprising a power control module for providing power to said common platform from a power source selected from a set of power sources consisting of a power source embedded in said common platform, a power source provided from said host computer, and a power source external to said common platform and external to said host computer.

6.   (Original) The common platform of Claim 5, wherein said equipment sensor is selected from a group of equipment sensors consisting of an alignment sensor, a gravity sensor, and an image-capturing device for capturing images of objects.

7.   (Original) The common platform of Claim 1, wherein said processor sends information to said host computer indicating at least one of the following:

the type of said equipment sensor;

the version of said equipment sensor; and

the version of said application software that has been loaded to said memory.

8.   (Original) The common platform of Claim 1, wherein said application software interfaces with said host computer to cause said host computer to run drivers corresponding to the function which said common platform is being performed.

9. (Original) The common platform of Claim 8, wherein said bootloader software is stored in a first memory and said application software is stored in a second memory.

10. (Original) The common platform of Claim 9, wherein said first memory is a non-volatile memory.

11. (Previously presented) A common platform for use with a host computer capable of controlling more than one type of equipment sensors, said common platform comprising:

a host interface for communicating with said host computer;

a control interface for communicating with an equipment sensor;

a memory for storing bootloader software and application software; and

a processor coupled to said memory, said host interface and said control interface;

said processor configured for executing said bootloader software to perform the steps of:

downloading extension software into said memory;

executing the extension software;

under the control of the extension software, determining the type of said equipment sensor;

determining whether said application software stored in said memory matches the type of said equipment sensor;

if said application software matches said equipment sensor, then executing said application software;

if the application software does not match said equipment sensor, then downloading new application software corresponding to said equipment sensor into said memory.

12.   (Previously presented) A method for preparing a common platform for use with a host computer capable of controlling more than one type of equipment sensors connected to said common platform, the method comprising the steps of:

reading bootloader software stored in said common platform;

executing the bootloader software;

under the control of the bootloader software, downloading extension software into said common platform;

executing the downloaded extension software;

under the control of the downloaded extension software, determining the type of equipment sensor connected to said common platform;

downloading application software corresponding to the type of said equipment sensor to said common platform; and

configuring said common platform to perform a predetermined function.

13.   (Original) The method of claim 12, further comprising a step of sending a signal to said host computer indicating the existence of said common platform.

14.   (Original) The method of claim 12, wherein said equipment sensor is selected from a group of equipment sensors consisting of an alignment sensor, a gravity sensor, and an image-capturing device for capturing images of objects.

15.   (Original) The method of claim 12, wherein before the step of downloading application software, the method further comprises a step of sending information to said host computer indicating at least one of the following:

the type of said equipment sensor;

the version of said equipment sensor; and

the version of said application software that has been loaded to said common platform.

16.   (Previously presented) A method for preparing a common platform for use with a host computer capable of controlling more than one type of equipment sensors connected to said common platform, the method comprising the steps of:

reading bootloader software stored in said common platform;

downloading extension software into said common platform;

determining the type of equipment sensor connected to said common platform; and

determining whether application software stored in said common platform matches the type of said equipment sensor;

if said application software matches the type of said equipment sensor, then executing said application software;

if said application software does not match the type of said equipment sensor, then downloading new application software corresponding to said equipment sensor type into said common platform; and

configuring said common platform to perform a predetermined function.

17.   (Previously presented) A common platform for use with a host computer capable of controlling more than one type of equipment sensors, said common platform comprising:

a host interface for communicating with said host computer;

a control interface for communicating with an equipment sensor;

a memory for storing bootloader software and application software; and

a processor coupled to said memory, said host interface and said control interface;

said processor configured for executing said bootloader software to perform the steps of:

downloading extension software into said memory;

identifying a type of said equipment sensor to said host computer;

identifying the version of said application software stored in said memory to said host computer;

said host computer then determining whether said application software stored in said memory matches the type of said equipment sensor;

if said application software matches said equipment sensor, then causing said common platform to execute said application software; and

if said application software does not match said equipment sensor, then downloading new application software corresponding to said equipment sensor into said memory.

18.   (Previously presented) The common platform of claim 1, wherein the common platform transfers information collected by the equipment sensor to the host computer and the processor downloads the application software corresponding to the equipment sensor from the host computer.

19. (Previously presented) The common platform of claim 11, wherein the common platform transfers information collected by the equipment sensor to the host computer and the processor downloads the new application software corresponding to the equipment sensor from the host computer.

20. (Previously presented) The method of claim 12, wherein the common platform transfers information collected by the equipment sensor to the host computer and the application software corresponding to the type of the equipment sensor is downloaded from the host computer.

21. (Previously presented) The method of claim 16, wherein the common platform transfers information collected by the equipment sensor to the host computer and the application software corresponding to the type of the equipment sensor is downloaded from the host computer.

22. (Previously presented) The common platform of claim 17, wherein the common platform transfers information collected by the equipment sensor to the host computer and the application software corresponding to the type of the equipment sensor is downloaded from the host computer.

23. (Previously presented) A common platform for use with a host computer capable of controlling more than one type of equipment sensors, said common platform comprising:

host interface means for communicating with said host computer;

control interface means for communicating with an equipment sensor;

memory means for storing bootloader software; and

processor means, coupled to said memory, said host interface and said control interface, for executing said bootloader software to perform the steps of:

determining the type of said equipment sensor; and

downloading application software corresponding to the type of equipment sensor into said memory means.

24.   (Previously presented) The common platform of claim 23, wherein the common platform transfers information collected by the equipment sensor to the host computer and the application software corresponding to the type of the equipment sensor is downloaded from the host computer.

25.   (Previously presented) A common platform for use with a host computer capable of controlling more than one type of equipment sensors, said common platform comprising:

host interface means for communicating with said host computer;

control interface means for communicating with an equipment sensor;

memory means for storing bootloader software; and

processor means, coupled to said memory, said host interface and said control interface, for executing said bootloader software to perform the steps of:

determining the type of said equipment sensor; and

determining whether said application software stored in said memory means matches the type of said equipment sensor;

if said application software matches said equipment sensor, then executing said application software; and

if the application software does not match said equipment sensor, then downloading new

application software corresponding to said equipment sensor into said memory means.

26.   (Previously presented) The common platform of claim 25, wherein the common

platform transfers information collected by the equipment sensor to the host computer and the

application software corresponding to the type of the equipment sensor is downloaded from the host

computer.